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LU 6155 (US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Thre patent application of:)	
Shahram Mihan)	
Serial No.: 10/583,065) Examiner:	Unknown
Filed: June 15, 2006) Art Unit:	Unknown
For: CATALYST SYSTEM FOR OLEFIN POLYMERIZATION)	

September <u>Jo</u>, 2006 oner for Patents

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is being filed before the first Office action on the merits.

It is requested that the enclosed documents listed on the attached Information

Disclosure Citation form PTO-1449 be considered by the Patent Examiner in connection with the
above-identified application and be made of record therein. A copy of the International Search

Report for this application is enclosed.

Independent consideration and acknowledgement of the enclosed documents are respectfully requested.

No payment is believed to be due; however, the Commissioner is hereby authorized to charge USPTO deposit account 08-2336 any payment due and to credit any overpayment thereto.

Respectfully submitted,

Shahram Mihan

William P. Paic

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I hereby certify that this correspondence is being deposited with sufficient postage thereon with the United States Postal Service as first class mail on September 20, 2006, in an envelope addressed to:

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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE CITATION

FORM PTO-1449

Atty Docket LU 6155 (US)

Serial No. 10/583,065

Applicant

Shahram Mihan

Filing Date 06/15/2006

Date Considered

Group Art Unit Not Yet Assigned

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Issue Date	Name	Class	Sub- Class	Filing Date
	AA	5,384,299	01/24/95	Turner et al.			
	AB	5,895,771	04/20/99	Epstein et al.			
	AC	6,583,238	06/24/03	Gores et al.			
	AD	6,255,418	07/03/01	Jolly et al.			·. ·
	AE	5,455,366	10/03/95	Rohrmann et al.			
	AF	5,830,821	11/03/98	Rohrmann et al.			
	AG	6,784,261	08/31/04	Schopf et al.			
	АН	2004/0214970	10/28/04	Schopf et al.			
	AI						
	AJ						
	AK						
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		Document Number	Date	Country	Class	Sub- Class	Trans- lation
	AL	197,10,615	03/14/97	DE .			A-4-1
	AM	427,697	05/08/96	EP			
	AN	520,732	12/06/95	EP			
	AO 558,158		09/01/93	EP			
	AP	549,900 (Counterpart US 5,455,366 US 5,830,821)	08/21/96	EP			YES
	<u> (</u>	OTHER (Including	Author, Ti	tle, Date, Pertinent Pa	ages, et	c.)	
	AR	I. Krossing, "The Facile Preparation of Weakly Coordinating Anions: Structure and Characterisation of Silverpolyfluoroalkoxyaluminates AgAl(OR _F) ₄ , Calculation of the Alkoxide Ion Affinity," 7, No.2, pg 490-502 (2001) L. Resconi, "Selectivity in Propene Polymerization with Metallocene Catalysts," Chem. Rev., Vol. 100, No. 4, pg 1253-1345 (2000).					
	AS AT	Catalysts, "Chem. Rev., Vol. 100, No. 4, pg 1253-1345 (2000). P. Jutzi, "Cyclopentadienyl compounds with nitrogen donors in the side-chain," Journal of Organometallic Chemistry, 369, pg 359-370 (1989)					

EXAMINER:

Examiner

Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

2 -0f_ Page Atty Docket LU 6155 (US) Serial No. 10/583,065 Applicant Shahram Mihan FORM PTO-1449 Group Art Unit Filing Date Not Yet Assigned 06/15/2006 U.S. PATENT DOCUMENTS Sub-Filing Document Issue Examiner Class Date Number Date Name Class Initial AA AB AC AD ΑE AF AG AΗ AΙ AJ AK FOREIGN PATENT DOCUMENTS Sub-Trans-Document Class lation Number Date Country Class 98/22486 05/28/98 WO AL YES 02/08/01 WO 01/09148 (Counterpart US 6,784,261) AM 06/02/00 WO YES 00/31090 (Counterpart US 2004/0214970 AN WO AO 98/27124 06/25/98 ΑP OTHER (Including Author, Title, Date, Pertinent Pages, etc.) H. Brintzinger et al., "ansa-Metallocene derivatives; XVII. Racemic and meso diastereomers of group IV metallocene derivatives with symmetrically substituted, dimethylsilanediyl-bridged ligand frameworks. Crystal structure of R, S-Me₂Si(3-t-Bu-5-MeC₅-H₂)₂ZrCl₂; Journal of Organometallic Chemistry, Vol. 369, p. 359-370 (1989) AR G. J. P. Britovsek et al., "Novel olefin polymerization catalyst based on iron and cobalt," Chem. Commun., pg 849-850 (1998) AS

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M. Enders et al., "8-Quinolylcyclopentadienyl, a Ligand with a Tailored Fit for Chelate Complexes," Chem. Ber., 129, pg 459-463

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	OTHER	(Including Author, Title, Date, Pertinent Pages, etc.)
		B. L. Small, "Highly Active Iron and Cobalt Catalysts for the Polymerization of Ethylene,: J. Am. Chem. Soc., 120, pg 4049-4050
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